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| Michael T. Davis  Pre-Calculus | | Units 1.5 & 1.6 Practice Quiz  September 27, 2016 | |
| Name: | |



1. Graph the parabola with quadratic equation 



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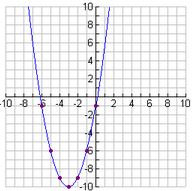


1. Graph the parabola with quadratic equation 
2. Graph the parabola with quadratic equation 

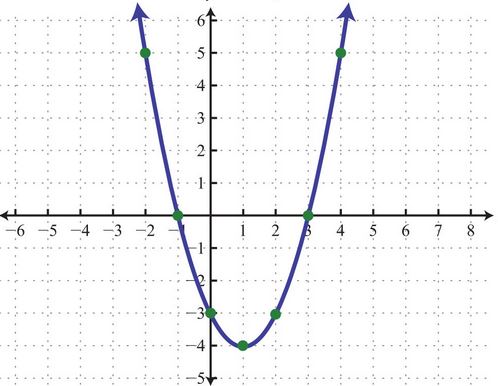


1. Graph the parabola with quadratic equation 
2. Convert the quadratic equation  to vertex form
3. Convert the quadratic equation  to vertex form
4. Convert the quadratic function  to standard form
5. Convert the quadratic function  to factored form
6. Without graphing the entire parabola, determine the number of x-intercepts of the parabola with equation . If there are real zeros, then find them.

1. Without graphing the entire parabola, determine the number of x-intercepts of the parabola with equation . If there are real zeros, then find them.
2. For the parabola shown, write the equation of the quadratic function in all three forms.



1. For the parabola shown, write all three equation forms of the quadratic function.



1. Determine the zeros of the quadratic function 
2. Determine the zeros of the quadratic function 
3. Determine the zeros of the quadratic function 
4. Determine the zeros of the quadratic function 
5. Determine the equation for the axis of symmetry of the parabola defined by the quadratic function 
6. Determine the coordinates of the vertex of the parabola defined by the quadratic function 
7. Determine the coordinates of the vertex of the parabola defined by the quadratic function 
8. Determine the coordinates of the vertex of the parabola defined by the quadratic function 
9. Without graphing, determine the number of real zeros (x-intercepts) of the parabola with equation . Then, find the real zeros
10. Determine the real zeros (x-intercepts) of the parabola with equation , i.e. solve
11. Determine the real zeros (x-intercepts) of the parabola with equation , i.e. solve 
12. Determine the real zeros (x-intercepts) of the parabola with equation , i.e. solve 
13. \Determine the real zeros (x-intercepts) of the parabola with equation , i.e. solve 